



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/669,021	09/23/2003	Manjari Asawa	062891.1131	1837
5073	7590	02/08/2007		
BAKER BOTTS L.L.P. 2001 ROSS AVENUE SUITE 600 DALLAS, TX 75201-2980			EXAMINER KARIKARI, KWASI	
			ART UNIT	PAPER NUMBER
			2617	

SHORTENED STATUTORY PERIOD OF RESPONSE	NOTIFICATION DATE	DELIVERY MODE
3 MONTHS	02/08/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Notice of this Office communication was sent electronically on the above-indicated "Notification Date" and has a shortened statutory period for reply of 3 MONTHS from 02/08/2007.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

glenda.orrantia@hotmail.com
mike.furr@bakerbotts.com
ptomail1@bakerbotts.com

Office Action Summary	Application No.	Applicant(s)	
	10/669,021	ASAWA ET AL.	
	Examiner	Art Unit	
	Kwasi Karikari	2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 September 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☒ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>09/23/2003</u> . | 6) <input type="checkbox"/> Other: _____ |

Art Unit: 2617

DETAILED ACTION

1. The Art Unit location of your application in the USPTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Art Unit 2617.

Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on 09/23/2003 is in compliance with the provision of 37 CFR 1.97, has been considered by the Examiner, and made of record in the application file.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-28 is rejected under 35 U.S.C. 102(b) as being anticipated by Jonsson et al. (U.S 20020146000 A1) (hereinafter Jonsson).

Regarding claims 1 10,17 and 23, Jonsson discloses and

apparatus/method/system/software in a medium for compressing data

comprising:

Art Unit: 2617

a cell site element associated with a base transceiver station and operable to receive a communications flow (audio communication between wireless terminals, see Pars. [0029 and 0033]) communicated by a mobile station (see Par. 0026), the cell site element including a route processor (RP) and a forwarding path (FP) element, wherein the RP is operable to communicate with a proxy element in order to determine if an incoming packet is associated with an internet protocol (IP) such that, in case where the incoming packet is non-IP (audio) the proxy element forms a mapping between a non-IP based protocol associated with the incoming packet (see Pars. [0059]) and an IP protocol in order to generate an IP compatible packet to be processed by the FP element and communicated to a next destination (RTP/UDP/IP, see Pars. [0041-43]).

Regarding claims 2,11,18 and 24, as recited in claims 1 10,17 and 23, Jonsson discloses apparatus/method/system/software in a medium, wherein the mapping performed by the proxy element operates to add a selected one or more of a point to point (PPP) header, an IP header, and a user datagram protocol (UDP) header to one or more frames of the incoming packet (adding of component and end-to-end IP, see Par. [0044]).

Regarding claims 3,12,19 and 25, as recited in claims 2 11,18 and 24, Jonsson discloses apparatus/method/system/software in a medium, wherein one or more fields

Art Unit: 2617

of the incoming packet may be mapped to one or more fields of a UDP/IP header (audio codec, see Pars. [0025-0029]).

Regarding claims 4,13,20 and 26, as recited in claims 2 11,18 and 24, Jonsson discloses apparatus/method/system/software in a medium, wherein the proxy element is operable to remove one or more of the PPP header, the IP header, and the UDP header from one or more of the frames before communicating one or more of the frames to a media interface (see Pars. [0055,0058-59]).

Regarding claim 5 as recited in claim 1, Jonsson discloses apparatus/method/system/software in a medium, where the FP element is an acceleration engine operable to process IP communication flows in order to provide a selected one or more of routing operations, quality of service selected operations, compression operations, and fast-switching operations (see Pars. [0023 and 0025]).

Regarding claim 6 as recited in claim 1, Jonsson discloses the apparatus, wherein the cell site element is operable to extract a high-level data link control (HDLC) payload from the packet and to perform a compression process on the HDLC payload in other to the number of bytes associated with the incoming packet (see Pars. [0038-42]), the cell site element being further operable to build a key that maps (encoding and decoding) the HDLC payload associated with the packet to the key, the key being broken into segments that are positioned into a selected one or more or a source internet protocol

Art Unit: 2617

address field a user datagram protocol source port field and a UDP destination port field of a UDP packet, the UDP packet being sent to the RP of the cell site element such that it may be directed to a next destination (see Pars. [0058-59]).

Regarding claim 7 as recited in claim 6, Jonsson discloses the apparatus, wherein the cell site element is operable to construct the UDP packet, and wherein remaining fields of the HDLC payload may be copied and positioned into a payload field of the UDP Packet (see Pars. [0025 and 0058]).

Regarding claim 8 as recited in claim 6, Jonsson discloses the apparatus further comprising: an aggregation node associated with a base station controller and operable to receive a point to point protocol (PPP) over HDLC packet that corresponds to the UDP packet from the cell site element (end-to-end communication, see Pars. [0042, 0044 and 0058-59]).

Regarding claims 9 and 16 as recited in claims 6 and 10, Jonsson discloses the apparatus further, wherein the FP processes the IP compatible packet and then returns it to the such that it may be communicated over an outgoing interface to a next destination (see Par. [0042 and 0051]).

Regarding claim 14, as recited in claim 11, Jonsson discloses apparatus/method/system/software in a medium, where the FP element is an

Art Unit: 2617

acceleration engine operable to process IP communication flows in order to provide a selected one or more of routing operations, quality of service selected operations, compression operations, and fast-switching operations (see Pars. [0023 and 0025]).

Regarding claim 15, as recited in claim 10, Jonsson discloses the method further comprising: receiving a point to point protocol (PPP) over HDLC packet that corresponds to a UDP packet associated with the incoming packet (see Pars. [0042, 0044 and 0058-59]).

Regarding claims 22 and 28 as recited in claims 18 and 24, Jonsson discloses the system/medium further, wherein the FP processes the IP compatible packet and then returns it to the such that it may be communicated over an outgoing interface to a next destination (see Par. [0042 and 0051]).

Regarding claim 21, as recited in claim 18, Jonsson discloses the system further comprising: receiving a point to point protocol (PPP) over HDLC packet that corresponds to a UDP packet associated with the incoming packet (see Pars. [0042, 0044 and 0058-59]).

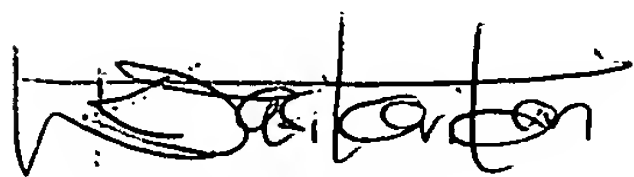
Regarding claim 27 as recited in claim 24, Jonsson discloses the medium

Art Unit: 2617

further comprising: receiving a point to point protocol (PPP) over HDLC packet that corresponds to a UDP packet associated with the incoming packet (see Pars. [0042, 0044 and 0058-59]).

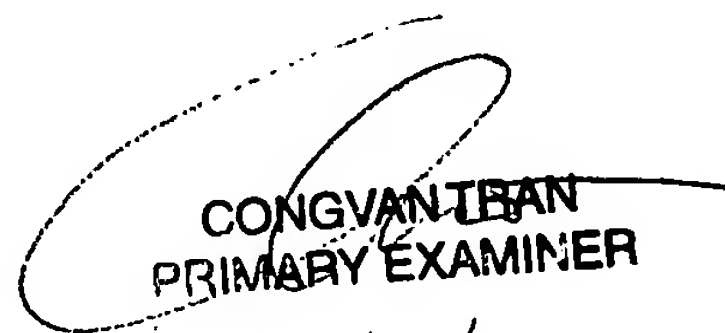
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kwasi Karikari whose telephone number is 571-272-8566. The examiner can normally be reached on M-F (8 am - 4pm). If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild can be reached on 571-272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8566. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Kwasi Karikari
Patent Examiner.

02/05/2007.



CONGVAN TRAN
PRIMARY EXAMINER

2/05/07